

# ON THE MOVE

New Hampshire Department of Transportation Newsletter



WINTER 2010



## Commissioner's Corner by George N. Campbell, Jr.

### Let's Keep the Good Work and the Momentum Going

One would think it's a good time to stop and catch our breath. After all, the Department of Transportation, in partnership with private contractors, has just completed a historic construction season in New Hampshire, fueled by \$130 million in stimulus funding from the American Recovery and Reinvestment Act.

U.S. Secretary of Transportation Ray LaHood just visited New Hampshire for a second time in October, once again citing New Hampshire as among the very best states at getting work to contractors, putting people to work and addressing much-needed improvements to our roads and bridges. Work zones were everywhere. Motorists are seeing the difference with an additional 500 miles of paving. More than \$62 million was invested in major projects on I-93, I-89 and the Manchester Airport Access Road. Almost \$30 million was used to help local cities and towns fund construction costs of municipal highway and bridge projects.

We are definitely making progress in New Hampshire. Our disciplined approach to the 10-Year Transportation Plan over the past two years has restored credibility to the process. We have focused our priorities on preserving the infrastructure, repairing or replacing Red List bridges, and rebuilding, expanding and modernizing Interstate 93 between Salem and Manchester.

The NHDOT's operational budget is adequate for the next two years with \$135 million of new revenue to address the needs of running a critical state agency. Block grant aid to cities and towns will increase by \$5 million, and a \$17 million increase in Betterment Program funding will support a resurfacing goal of 500 miles a year. The Turnpike System has a robust program to address Red List bridges, widen the Spaulding Turnpike in Rochester, and implement "Open Road Tolling" at the Hampton Tolls in May of 2010.

But the transportation needs in New Hampshire and the rest of America still far outweigh the one time injection the \$27 billion in stimulus funding provided to address deferred needs.

The American Association of State Highway and Transportation Officials estimates it would cost roughly \$140 billion to repair every deficient bridge in the country. There is great uncertainty about future funding levels and sources as Congress looks ahead to reauthorizing the federal transportation law.

This past fall the NHDOT and the Governor's Advisory Commission on Intermodal Transportation (GACIT) held a total of 37 public meetings across New Hampshire as part of the next 10-Year Plan process. Sticking with a realistic approach has made it clear to many that needs still far outweigh available funds, and several major projects remain unfunded, including sections of the Conway Bypass, a northern bridge crossing in Merrimack-Litchfield, and a widening of I-93 in Bow-Concord.

Within this environment, a Commission created by the State Legislature is studying options for longer-term highway and bridge funding solutions. This Commission will submit its recommendations in November of 2010, and its members should be hearing from everyone who cares about the future of transportation in New Hampshire.

The NHDOT and our contracting and engineering partners have proven we can meet the rebuilding challenges of our surface transportation system. Let's translate that credibility into more projects and continued job creation for the Granite State.

We can look back at 2009 as a year of historic progress in improving New Hampshire's roads and bridges.

But now is no time to rest on our laurels. Let's all continue to exceed our promise to meet the transportation needs of New Hampshire.



A stylized, handwritten signature in black ink, appearing to read "G. N. Campbell".

George N. Campbell, Jr.

# Bridge Dedication Ceremony Honors NH Survivors of Pearl Harbor Attack

### Sign Unveiled for New Airport Access Road Bridge on 68th Anniversary of "Day of Infamy"

They came to the New Hampshire State House on December 7th sharing a historical bond that dated back almost seven decades. Eleven men from New Hampshire who had been eyewitnesses to the "Day that will live in infamy" exactly 68 years before.

They were New Hampshire survivors of the Japanese attack on Pearl Harbor. They saw the planes. They saw the bombs. After all these years they vividly remember the shock, the horror and the destruction. They will never forget.

They came to see the unveiling of a sign for a bridge yet to be completed that will help make sure the memory of Pearl Harbor is never forgotten in New Hampshire. The Pearl Harbor Memorial



*Digitally created photo courtesy Michael Long (McFarland-Johnson, Inc.)*

Bridge connecting Bedford and Manchester via the Manchester Airport Access Road was named by law years before construction on the bridge even began. It, along with the road that will connect the F.E. Everett Turnpike with Manchester-Boston Regional Airport, are scheduled to open in 2012.

The moving ceremony included a Military Color Guard, remarks by Governor Lynch and NH Pearl Harbor Survivor President Bill LeFabvre, and songs by the Merrimack High School Chamber Choir. The highlight was the unveiling of the sign that will mark the new bridge when it opens. Produced by the NHDOT's Traffic Bureau, the sign includes the State Seal and the seal of the Pearl Harbor Survivors Association. Each of the 11 New Hampshire survivors were also presented framed certificates as part of the ceremony.

Also speaking was State Representative Robert L'Heureux, of Merrimack, who sponsored the bill to name the bridge that was signed into law in 2000.

"The dedication of this bridge, the Pearl Harbor Memorial Bridge, is a fitting tribute to these gallant men, who on a peaceful Sunday morning were thrust into the hell pit of war," Representative L'Heureux said.



*"This bridge will remain a constant fitting reminder to travelers that on this day, December 7, 2009, we paused to honor our Pearl Harbor heroes. And that long after we are gone, they will forever be remembered."*

*- Rep. Robert L'Heureux*



### “Temporary” Bridge Opens Over the Connecticut River in Lebanon, NH - Hartford, VT

#### **\$2.7 Million Structure Built in Four Months Will Serve the Upper Valley for Five Years**

Following a year and a half of detours that often took them into downtown Hanover, commercial trucks exceeding 10 tons once again have another option for crossing the Connecticut River between Lebanon, New Hampshire and Hartford, Vermont.

After just four months of construction, a temporary bridge was opened on December 16 to carry all legal loads over US Route 4 between the two states.

The “temporary” role of the \$2.7 million steel bridge is expected to last five years until a new permanent bridge can be built nearby and opened in 2014. The 390-foot long US Route 4 Bridge was built in 1936 and rebuilt in 1976. It is a State of New Hampshire “Red List” bridge, with more frequent inspections required due to known deficiencies.

The bridge was posted at a ten-ton load capacity in July of 2008 that restricted heavy truck traffic. It has now been closed to all traffic and motorists are being detoured onto the temporary bridge. Current plans are to advertise for a permanent bridge replacement in 2012.



*Overseeing the building of the temporary bridge were the Construction Bureau's Brian Ordway and Kelly Parks (trainee program). The Connecticut River Crossing will be in place at least four years until a new bridge is built.*

According to Mark Richardson, Administrator of the Bridge Design Bureau, “The temporary bridge is a prefabricated modular steel truss bridge. It's assembled in segments that are combined to provide the strength and capacity needed for the required bridge length, width, and anticipated vehicular loads (including legal truck loads) for the specific site in which it is located.”

CPM Constructors, of Freeport, Maine was the general contractor for the temporary bridge project.



### Bridge Maintenance Patches High Profile Hole In I-93 Bridge in Salem

The problem arose early on the morning of December 18 when an eastbound garbage truck that empties dumpsters crashed into the southbound Interstate 93 bridge over NH Route 38 in Salem. An extended arm atop the truck literally punched a huge hole in a bridge beam, and the force of the collision stood the large truck straight up in the air. State Police responding to the scene quickly closed the bridge to southbound commuter traffic until NHDOT inspectors could arrive from the Bureau of Bridge Design to evaluate the bridge's condition.

The bridge was reopened later in the day after it was deemed structurally safe. That left it up to NHDOT Bridge Maintenance Crew #14 out of Bedford to do the repairs in just two days, repairs described as a “steel sandwich”. The longer term good news is that the “Red List” Bridge is scheduled to be replaced as part of the I-93 modernization and expansion project.



# NH State Government Food Drive Challenge Tops 10,000 Items for Those in Need

### Mechanical Services Bureau Supplies Trucks and Personnel for 11 Agency Food Run

It began as the third annual NHDOT "Fill this Truck" food drive. Along the way it grew to become the "NH State Government Food Drive Challenge" involving 11 State Agencies.

The result was an impressive tally of 10,129 food items, weighing in at over 8,600 pounds, that was delivered in four NHDOT vehicles to the New Hampshire Food Bank in Manchester on December 18 for distribution statewide to local food pantries.

"It's wonderful to see them (state workers) reaching deep and coming out to help their neighbors in need," Michelle Garron, food bank operations manager, told WMUR TV. Garron said demand is up 40 percent this year, and the need will continue long after Christmas is over.

While many state agencies and their employees joined forces and rose to the successful challenge to top 10,000 food items donated, it was the NHDOT that took on the task of making a total of 14 stops in Concord and Hooksett to pick up the donated food, then proceed on to Manchester and unload the cargo of non-perishable items for those in need.



*You wouldn't be smiling either if you just loaded and unloaded more than four tons of food in the same day. But Jim Lamora, Frank Desjardins, Marty Wilson, and Kevin Frew enthusiastically got the job done. A total of 10,129 food items were collected from 11 State agencies.*

The Mechanical Services Bureau furnished the vehicles and bureau employees Jim Lamora, Frank Desjardins, Marty Wilson, and Kevin Frew provided the backbreaking labor to make it happen.

The highly successful multi-agency food drive will look to return and be even bigger in 2010.

## NHDOT and UNH Manchester Partnering in Warm Clothing Drive Pilot Project

A highly successful community service project begun by students at the University of New Hampshire at Manchester has been extended to the NHDOT as a pilot project. The "Warmth From The Millyard" (WFTM) project has gathered over 3,600 winter clothing items since 2007 for local families and individuals in need while raising awareness about poverty and homelessness in the Granite State.

The "Warmth From The Millyard" Clothing Drive at the NHDOT runs from January 19 to February 9 and is aimed at meeting a serious need while establishing partners in the social service community.

DOT employees are being asked to donate warm and clean winter clothing and blankets. At the same time UNH students are using a web-based service to get the donations to the organizations and people who can use them.

Sheena Connolly (Planning and Community Assistance) worked on the project as a UNH student and is coordinating the DOT effort. To get involved, contact Sheena at 271-2108 or [Sconnolly@dot.state.nh.us](mailto:Sconnolly@dot.state.nh.us)



### Upper Valley Cycling/Walking Tour Highlights Plans for NH Route 120 Corridor



*Taking a little time out from her bridge building duties, NHDOT Construction Bureau Engineer Kelly Parks (center) joined Bike/Ped Coordinator Larry Keniston and others on a cycling tour of the NH 120 corridor.*

Civic, business, planning and advocacy leaders from Hartford and Norwich, Vermont and Hanover and Lebanon, New Hampshire participated in a cycling and walking tour of the Route 120 corridor on October 18 to highlight the progress toward active transportation options in the Upper Valley area.

Large traffic generators such as the Dartmouth Hitchcock Medical Center (6,500 employees), Dartmouth College (4,000 employees) and Hypertherm (900 employees) participated in the day's events looking toward further reductions in single occupancy vehicle congestion and opportunities to avoid the need for new parking facilities.

NHDOT Bike/Ped coordinators Larry Keniston and Jerry Moore helped organize the event, along with the Hanover and Lebanon Bike/Pedestrian Committees and the Upper Valley Trails Alliance. The 2010 National Bike/Walk to work week is scheduled for May 17-21.

### DOT Employees Take on the Great Weight Loss Challenge

#### **"Lose to Win" Competition Promoting a Healthier Lifestyle**

Maybe it's the \$2,000 in prizes. Maybe it's the thrill of competition. Or maybe it's just not liking what's looking back at you in the mirror. Whatever the motivation, 140 NHDOT employees comprising 26 teams have vowed to push away that plate and say "NO" to that calorie-laden dessert as part of the "Lose to Win" weight loss contest. The 12-week campaign aimed at promoting a healthier lifestyle began on January 6 with a formal weigh-in for each participant. Also at the event were representatives of local health clubs, manned stations for blood pressure and "Body Mass Index" readings, and motivational speakers to get everyone off on the right course and frame of mind. According to Colette Farland-Vogt, the NHDOT Wellness Coordinator, "The competition will be fun but fierce. The mood around the NH DOT is HIGH and excited about this venture. I wish you all good luck and good health. I look forward to seeing "LESS" of you in 3 months"



*Bill Hauser (Stewardship & Compliance Office) and Assistant Director of Operations Mike Pillsbury check out Mike's numbers at the official weigh-in for the "Lose to Win" weight loss contest. Mike is a member of "The Incredible Shrinking Front Office" team.*

# America's Top Ten Transportation Topics for 2010

As America enters a new decade, what will be the buzz about transportation?

Clearly a safe, efficient, and viable transportation network should be at the forefront of issues facing policymakers at all levels of government and in all areas of our society in the coming months. The American Association of State Highway Transportation Officials (AASHTO) has developed a list of the top ten transportation topics that it forecasts will be part of the national conversation in 2010.

### **1) Adopting a long-term transportation funding bill**

The current legislation that establishes funding levels and policy priorities for highways and transit expired on September 30, 2009. Without action by the Congress by March 1, state DOTs will lose \$12 billion in 2010 for their highway programs.

### **2) Adopting a New Jobs Creation bill**

The Senate is expected to begin debate on a jobs creation bill in mid-January. The House bill, Jobs for Main Street Act, contains several important transportation provisions, including an extension of surface transportation authorization through Sept. 30, 2010. Funding would include \$27.5 billion for highways and \$8.4 billion for mass transit; Amtrak would receive \$800 million while airports would get \$500 million and shipyards \$100 million.

### **3) Deterring Distracted Driving**

Nearly 6,000 people lost their lives in motor vehicle crashes involving some form of driver distraction during 2008.

### **4) Ensuring Safer Roads**

The goal: cut today's 38,000 highway fatalities 50 percent in 20 years.

### **5) Moving on High-Speed Rail Grants**

A new era in U.S. intercity passenger rail service will be launched in 2010 with the announcement of \$8 billion in ARRA grants for state projects to initiate or improve high-speed and intercity passenger rail service.

### **6) Taking Action to Address Climate Change**

With autos and light-duty trucks contributing

approximately 17% of the greenhouse gases in the United States, state and local governments are developing climate change action plans and looking at the best ways to reduce emissions through technology, research, smarter travel, better cars and fuels, and improved efficiency and operation of our roads.

### **7) Responding to Increased Congestion Due to Capacity Issues**

Despite the economic downturn, 64 of the 100 most populated cities saw increased congestion in the first six months of 2009. This congestion will only continue to worsen as more people move to metropolitan areas and little is done to increase the capacity of the overall transportation system.

### **8) Enhancing Safety through Roadway Improvements**

On two-lane rural roads and major highways, rumble strips are now being installed to warn drivers when their vehicles start to leave the travel lane. On divided highways, cable median barriers are being installed to prevent fatal crashes in which vehicles run off the road into the median and cross over into oncoming traffic. With more than half of the highway fatalities occurring on rural roads, highway agencies are focusing on installing these types of lower-cost treatments to reduce these crashes.

### **9) Creating more livable communities**

Efforts by state DOTs in the coming year will include building transportation enhancement projects such as bikeways, pedestrian walkways, historic restoration and beautification projects; improving metropolitan mobility; ensuring more transit services are available in rural areas and to serve aging populations; and adding capacity to our transportation network to reduce congestion and the amount of time commuters, truckers and other drivers are stuck in traffic.

### **10) Adopting Social Media to Provide the Latest Traffic and Travel Information**

States are encouraging the use of these media "before they go" to avoid distracted driving.

# Paving the Way for Open Road Tolling on I-95 in Hampton in May 2010

by Amanda Rae (Turnpikes Bureau)



Did you ever think the day would come that you would see such major changes in the toll collecting department?

First, we changed over to E-ZPass, which allows a driver to pass through a toll facility with a transponder to pay the toll without stopping. Slowing down to 10 MPH is recommended as you try to maneuver your vehicle through the lanes with booths on either side of you.

Now, the New Hampshire Department of Transportation has taken steps to implement Open Road Tolling (ORT) in the very near future. We have a grand opening targeted for May 2010. Hampton will be the first Toll Plaza not only in New Hampshire, but all of New England with this new technology.

ORT uses your current E-ZPass transponder and allows you to pay the toll while maintaining your speed at the posted speed limit. The additional advantage of ORT is that you don't have to try to maneuver through narrow lanes with booths. It will be "open" like a regular road. Two ORT lanes will head in the northbound direction and two lanes head in the southbound direction. This will make it very easy and convenient. For those who choose to pay with cash, we will have 5-6 lanes to the right of the ORT lanes open to stop and pay. These lanes will be separated with a long stretch of barrier for safe traveling.

This is a major project that started in August 2009 and thus far has produced the following changes:

- The Exit 2 ramps to get off/on I-95 north and south were moved to accommodate the widening of the Toll Plaza. We added a new booth on each side of the plaza.
- We are in the process of preparing the plaza for a new "gantry" that spans from the northbound side to the southbound side. This gantry will house the antennae and scanners that will read the information to correctly charge an E-ZPass account. For this purpose we have closed off access to two lanes on each side of the plaza.
- When those two lanes are returned to us for their use, we will then close off six lanes in the center of the plaza - three northbound and three southbound. With the closure of these lanes, there will be a major amount of demolition. This part of construction will take down five tollbooths and the existing canopy. Once that is complete, the road will be transformed into the four lanes of ORT.

Other changes are still to come.



We have had many different companies working here and their teams have been very friendly and easy to work with. We give them credit for the work they have completed so far. Each company is dedicated to getting the job done on time and



# ON THE MOVE

## Hampton Toll - continued

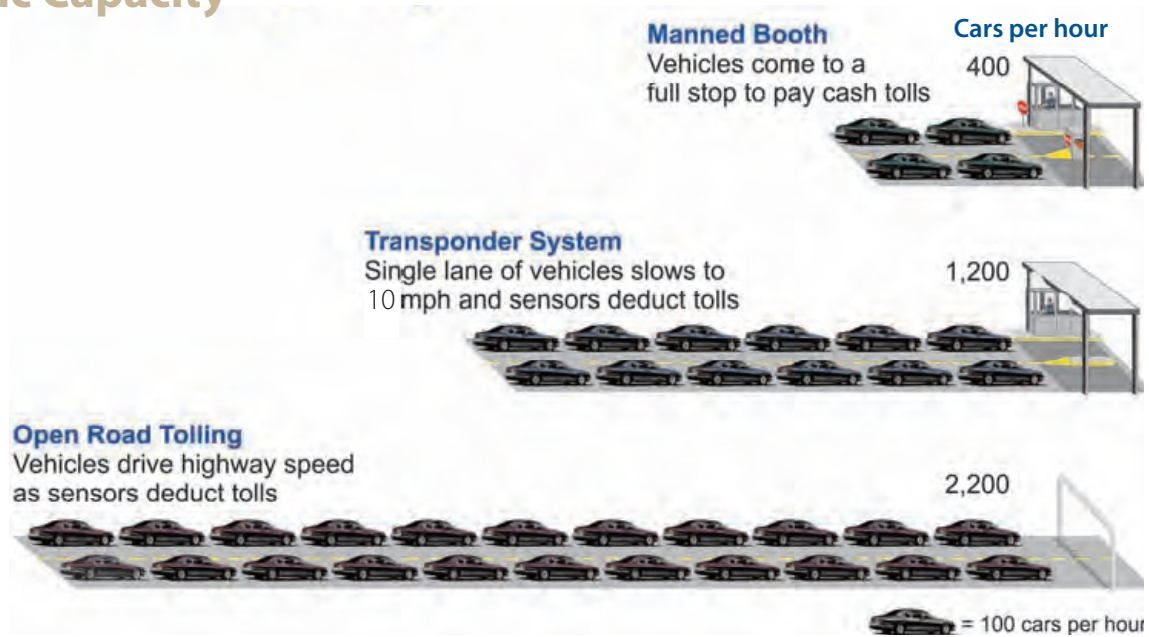
time is not on their side. Not only do they have their regular construction to deal with, but also have to work around the needs of the Toll Plaza and the employees.

And how about those toll booth employees? They have to withstand a full shift while there are jackhammers, pile drivers, dump trucks, paving equipment, cranes, and several different crossing patterns to make their way around all the equipment.

They have pulled together as a team and have been patient, flexible, and cooperative, all the while maintaining a positive attitude about impending changes.

Thank you to the employees at Hampton Toll and the construction companies for making this stressful time easier.

## Traffic Capacity



The above graphic shows the benefits Open Road Tolling (ORT) in moving vehicles through a toll plaza. Each car represents 100 cars per hour that can be processed under manned booths, E-ZPass and ORT.

The NHDOT Construction Bureau field crew would like to recognize the Hampton Toll Plaza staff for their cooperation during this difficult project. The variables that we have faced during this effort have been numerous and continuous. The cooperation of the Toll Plaza supervisory staff and the patience of the Toll Plaza workforce have made the project run as smoothly as we could have hoped. We are excited to be winding down on the A-project, constructed by Continental Paving, which has resulted in the creation of new tollbooths on the NB and SB sides of the toll plaza with associated widening of the approaches. We are also currently taking off with the B-project with Pike Industries, which will construct the ORT lanes in the middle of I-95. The continued cooperation between the Toll Plaza staff, Turnpikes, Construction and all the players involved with this effort will ensure the successful construction of the first ORT project in New Hampshire in the spring of 2010.

- Adam Chestnut, NHDOT's Contract Administrator for this project

### Work Begins on Planning a New Hampshire Public Works Memorial



A committee to oversee the design and construction of a memorial for public works employees who died in the course of performing their duties has begun to lay the groundwork for the project.

Carl Quiram, who represents the New Hampshire Public Works Association, was elected chairman of the committee at its initial meeting in December. Quiram called the project a fitting tribute to the work done by public works employees in New Hampshire.

"Public Works is often the forgotten emergency service," Quiram said. "They are professionals who quietly go about their work providing for safe, dependable travel; clean water; and the health and well being of our citizens. It is sometimes dangerous work, but it needs to be done. This memorial will be a fitting recognition of the sacrifices made by public works professionals who have sacrificed all in their service to the public. It is our hope that all of the needed funds can be raised through donations."

The committee has begun discussing possible sites for the Public Works Memorial, and setting up the framework for fund raising for the project. Under the guidelines of the law that took effect on August 14 the committee, through the New Hampshire public works community, must privately raise all the money necessary for the planning, design, construction and maintenance of the memorial. The legislation also established a special account for the deposit of funds donated to the memorial.

Among the Committee members working on this project is Lyle "Butch" Knowlton, the NHDOT's Director of Operations. The goal is to have the NH Public Works Memorial completed by April 2011.

### National Publication Recognizes NHDOT Efforts to Document Rock Cut Faces



The NHDOT is recognized for its efforts to effectively address possible rock fall hazards along roadways in a national publication aimed at highlighting the value of transportation research.

Published by the National Cooperative Research Program, "State DOTs Transportation Innovators" illustrates several examples of how transportation research can lead to better, safer, faster and cheaper solutions.

The following is noted under the heading "Geographical Information Systems for Rock Cuts in New Hampshire":

"To more effectively address possible rock fall hazards, New Hampshire DOT invested in research to develop a geographical information system for rock cut faces along highways throughout the state. Part of this effort included collecting new information with the aid of global positioning system technology. The new system has become a valuable asset management tool, saving the state time (some 2,000 work hours per year) and money (\$75,000 annually). It allows immediate access to information such as past inspection records and photographs, and saves hours every day during field inspections. Moreover, the system enables engineers to efficiently identify and locate rock cuts that need inspection."

The publication credits the NHDOT for utilizing geographical technologies originally developed outside the transportation industry and efficiently putting them to use in improving agency practices.



## Service Awards

### 35 Years:

**Gregory Marquis** - Construction

**Jerry Zoller** - Bridge Design

**Richard Holloran** - Traffic

### 30 Years:

**Scott Cloutier** - Highway Design

### 25 Years:

**Marlena Eaton** - Turnpikes

**Duane Call** - Construction

**Ronald Bourassa** - District 1

**Douglas Curtis** - Traffic

**Douglas Deporter** - District 6

### 20 Years:

**Lisa Chamberlain** - Planning

**Linda Clifford** - Right-of-Way

**Diane Pinard** - Turnpikes

**Bradford Allan** - District 3

### 15 Years:

**Kevin Magoon** - District 6

**Karl Leighton** - District 3

**Willis Smart** - Turnpikes

**Jonathan Hanson** - Mechanical Services

**Lynn Paquette** - Bridge Design

### 10 Years:

**Anthony Rocca** - District 5

**Leland Hammond** - District 2

**Gregory White** - District 2

**Daniel Rondeau** - District 2

**Joyce McKay** - Environment

**Ricky Eldridge** - District 3

**Peter Downing** - District 3

**William Dodd** - District 1

**Jon Bushway** - District 1

**Richard Lefavour** - District 5

**Gayle Case** - Turnpikes

**Steven Jeffries** - Turnpikes

**Marshall Courser** - Bridge Maintenance

**Michael Demartelly** - Right-of-Way



Brian Kulacz (Materials and Research) was recently recognized for 30 years of state service with the Department of Transportation. As a Bituminous Concrete Unit Supervisor, Brian is in

charge of quality assurance for all hot mix pavement produced for NHDOT. In 2009 that amounted to 857,000 tons!



District 6 Patrol Foreman Jared Rumford (Newfields #609) was recognized at the January major staff meeting for 30 years of State service. According to District 6 Engineer Doug DePorter, "Jared has done everything

from shimming to currently running our graveling operations. He is a very respected leader in District 6."



Jonathan Hill received his 25 year certificate for State service from District 4 Engineer Doug Graham on December 16 at the District Safety Committee meeting. Jon is a Highway Maintainer 2 and has been at

the #410 Patrol Facility in Winchester the entire 25 years. Last year Jon took State Senator Molly Kelly for a ride in the plow truck during a snowstorm, giving an elected official some insight on the challenges of winter maintenance work.



Three District 4 employees have been presented longevity certificates. L-R: David Spaulding (HPF 401 Charlestown- 30 yrs), Scott Burns (HM II 401 Charlestown- 30 yrs), and Mark Taylor (HM II 405 Westmoreland- 10 yrs).

## Personnel Updates

### New Hires:

**Joshua Ashby** - Heavy Equipment Mechanic  
Mechanical Services -Twin Mountain

**Greg Bilodeau** - Highway Maintainer 1, District 1

**Carroll Brunelle** - Highway Maintainer 1, District 1

**Michael Fenton** - Highway Maintainer 2, District 1

**Thomas Hampson** - Highway Maintainer 1, District 1

**Robert Hudson** - Civil Engineer 4, Planning &  
Community Assistance

**Charles Lane** - Highway Maintainer 2, District 4

**Mark Merrill** - Highway Maintainer 2, District 2

### Promotions:

**Jason Aldrich** - Asst Highway Patrol Foreman,  
District 1

**Marshall Bennett** - Highway Maintainer 3, District 5

**Robert Clark** - Bridge Maintainer 2, Bridge  
Maintenance -Rumney

**Roderick Corbett** - Highway Maintainer 2, District 2

**Edward Coulombe** - Highway Maintainer 3, District 5

**Robert Doubleday** - Asst Highway Patrol Foreman  
District 3

**Kevin Dunbar** - Engineering Technician 4,  
Construction

**Leon Forest** - Highway Maintainer 3, District 5

**Bradley Gauthier** - Highway Maintainer 3, District 5

**Jonathan Hanson** - Administrator 4, Mechanical  
Services

**Maureen Harrington** - Toll Attendant 2, Turnpikes

**Patrick Holland** - Asst Highway Patrol Foreman,  
District 6

**Keith Lapointe** - Highway Maintainer 2, District 5

**Mathew Littlefield** - Asst Highway Patrol Foreman,  
District 3

**Bryan Pease** - Highway Patrol Foreman, District 1

**Peter Pelletier** - Highway Patrol Foreman, District 5

**Thomas Porter** - Highway Maintainer 3, Turnpikes

**John Robinson** - Highway Maintainer 3, District 5

**Cabot Ronish** - Bridge Maintainer 3, Lancaster

**Shannon Skidmore** - Bridge Maintainer 1, Sunapee

**Justin Smith** - Highway Maintainer 2, District 2

**Jeffrey Sweeney** - Highway Maintainer 1, District 5

**Alexander Vadney** - Civil Engineer 1,  
Highway Design

**Scott Walker** - Asst Highway Patrol Foreman,  
District 1

**Eric Ward** - Highway Maintainer 3, District 1

**Christopher Waszczuk** - Turnpikes Administrator

**Keith Whitehill** - Asst Highway Patrol Foreman  
District 6

### Retirements:

**Marc Bergeron** - Bridge Maintenance (21)

**Bernard Dodd** -Turnpikes (15)

**Thomas Keegan** - District 2 (10)

**Robert Leonard** - Bridge Maintenance (30)

**David Mackinnon** - Traffic (30)

**James Mafera** - Bridge Maintenance (18)

**Betty Plante** - Highway Maintenance (31)

**Francis Sullivan** - Traffic (21)

**Ronald Vachon** - District 1 (14)

**On January 15, Governor John Lynch named NHDOT Deputy Commissioner Christopher Clement as the next Director of the State Office of Economic Stimulus, effective February 8, 2010.**



## NHDOT People



Betty Plante retired from the NHDOT on November 30 after 31 years with the agency, all within the Bureau of Highway Maintenance. For nearly all of those years, Betty worked at the District 3 Office in Gilford as a radio dispatcher and Clerk 4. For the past two years she has been working in the Highway Maintenance Bureau at DOT headquarters in Concord as an Administrative Secretary. The Laconia resident says "I really enjoyed coming to work every day."



Wayne Clifford, one of the five Final Design Team leaders in Highway Design Bureau, retired on December 30 after 21 years at the DOT. Wayne began work on October 11, 1988 and affected over \$200 million dollars worth of highway projects. The Hampton resident has many interests that include hunting, skiing, boating, bowling, playing cards, and of course GOLF. He plans on taking some trips to visit family in Indiana, friends in Florida, and a special trip to Cancun with his wife Diana. His Highway Design co-workers say they'll miss him, but will have the opportunity to see him every September in the Commissioner's Cup.



Bridge Maintenance Bureau employee James Drury died on December 12 after a sudden illness. A resident of Sanbornton, Jim was a NHDOT employee for five years after working 30 years for FedEx. As a Bridge Warehouse Supervisor at the Franklin Yard, "Jim was an integral part of our team, but more importantly a beloved friend - he will be missed!"



On Nov. 4th, Ben Gelinas and Art Laro from Mechanical Services competed in the New England American Public Works Association Snow "Rodeo" Competition in Fitchburg, Mass. They won the event, making it a clean sweep following earlier victories in DOT and State competitions.



Jonathan Hanson is the new Administrator of the Bureau of Mechanical Services. Jon has been with the NHDOT for 15 years and most recently served as the Assistant Administrator of the Turnpikes Bureau. The Bow resident began his new position in October.



Christopher Waszczuk is the new Administrator of the Bureau of Turnpikes. Chris has 24 years of service with the NHDOT, starting as an engineer with the Bridge Design Bureau. He began service as interim Administrator of Turnpikes last June and was named to the Administrator position in October. Chris previously served as Chief Project Manager in Highway Design.



Keith Cota (Highway Design) has been named Chief Project Manager. In this position he will oversee implementation of the Ten Year Transportation Plan through the Division of Project Development. Now in his 32nd year at the NHDOT, Keith Cota has been Chief of Consultant Design since 2002. Keith is a resident of Epsom, where he serves on the Board of Selectmen.

## Letters



"We learned what a truss bridge is and what a temporary bridge will look like."

"I learned a lot about construction on the trip and I learned how bridges are made."

Dear Mr. Ordway,

We appreciated the time you took out of your busy day to give us a tour of the bridge construction site.

It was great to have the chance to see the old bridge and watch the people working on the new bridge.

Thank you for the tour and information!

Tyler D.  
Wendy Boyer  
Adam Han

Jessica H.  
Adrian B.

Shelby R.  
Ashley E.

Tony K.

Brawley Delle

Tyler Davis

Dave C.  
Joshua

Carlin C.

Chelsea Farquharson  
Jacob Nelson

Jordan Farquharson

Steven  
Murt Dada

St BQQ

Almond Corley

John LaQuinto

Thank you for making the time to give my students a tour of the bridge site. It was a great trip for them!

Trudy Fadden

"I never knew that it took so much time to build a bridge."

Hi....I just wanted to thank you folks for the road improvements in the White Mtns on 302 north of N Conway. Although just one cyclist, I think I speak for all that we really appreciate the new surface and generous shoulders. Makes an autumn bike trip all the more enjoyable!

Regards,  
Graham (Toronto, Canada)

Editor's Note: The above thank you letter was sent to Brian Ordway (Construction Bureau) by 7th Graders from Blue Mountain Union School in Wells River, VT.

My dad (Andrew Desrochers) would like to thank you for the Certificate of Appreciation and the photo of the Pearl Harbor Survivor Bridge that you sent. Thank you also for the nice and well-done video of the dedication ceremony. Dad and I watched it last Sunday evening and it brought tears to his eyes. The video was well appreciated, thanks again for your consideration. Dad was stationed at Fort Shafter on Oahu when the Japanese attacked. His term in the Army was just running out when the war broke out so they kept him in for another 4 years, in all he served 6 years in the Army at Fort Shafter. We are originally from Manchester, NH but we now make our home in Austin TX. Dad lives with me and is 90 years old and still active.

Thanks again  
Guy Desrochers, Austin, Texas



## Materials and Research

### Alternative Pavements for Snowmobile Crossings

New Hampshire's 6,800 miles of snowmobile trails cross many state and local roadways. A North Country highway may be crossed by as many as 10,000 snowmobiles during a snowy winter month. Excessive highway pavement wear from snowmobile traffic is a maintenance issue for the NHDOT. The snowmobiles and trail grooming equipment scar and erode the pavement surfaces, eventually creating wide ruts across the highway that cause potential safety issues for vehicular traffic. Damage often includes breaking of the pavement's edge until the travel lanes are threatened. After reviewing studies completed in other states, the NHDOT field-tested two alternative surface treatment materials at snowmobile highway crossings subjected to excessive pavement wear. Cost, ease of installation, durability and replacement strategies were compared with conventional hot mix asphalt over three winters. Cleanosol, a surface-applied thermoplastic material successfully used to armor snowmobile crossings in Michigan and Wisconsin, was the easiest and fastest product to install. NHDOT researchers will continue to meet with other state agencies' representatives to review ongoing issues and future design and implementation criteria for snowmobile crossings.



### A New Research Tool for Estimating Flood Frequency in NH

A recently completed NHDOT-funded research project has developed a new tool for estimating the flood frequency of New Hampshire streams. The project developed updated estimates of flood flows at stream gages in New Hampshire, and developed equations for use in estimating peak flows at ungaged, unregulated streams. To make the information easily usable, a software program called StreamStats was developed. The StreamStats program allows the user to select a point on a waterway and then see an estimate of the peak flows for that location. The program uses US Geological Survey maps in conjunction with GIS data and terrain modeling to graphically delineate drainage areas and calculate flow estimates based on the equations developed by the project. StreamStats is flexible enough to allow the user to modify the drainage area if necessary. A report which details the methods used to develop the flow estimation equations can be found on the USGS website by searching for Scientific Investigations Report 2008-2506 Estimation of Flood Discharges at Selected Recurrence Intervals for Streams in New Hampshire. Copies of the report are also available for reference in Highway Design, Bridge Design, and Materials and Research. The StreamStats application is web-based and can be found on the USGS website by searching for StreamStats.



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Innovation, and  
the Future...*

## ON THE MOVE

# The NHDOT Among National Leaders in Delivering Stimulus Projects

New Hampshire continues to be among the leading states nationally in getting funds authorized under the American Recovery and Reinvestment Act (ARRA) put to work creating jobs and improving the State's roads and bridges. In the week before Christmas, the New Hampshire Department of Transportation (NHDOT) reached the milestone of obligating 100% of the \$129.4 million it has received for road and bridge projects, more than two months ahead of the March 2, 2010 deadline.

"I am very pleased that New Hampshire continues to lead the way in using stimulus money to move our economy forward," Governor John Lynch said. "The Department of Transportation has done an outstanding job in getting this work out quickly in order to put people to work and keep people working while addressing much-needed transportation improvements in New Hampshire."

These federal ARRA funds have been used to triple the number of highway miles paved in 2009 (750 miles) and financed improvements to 78 bridges on the state-maintained system. ARRA funding also has made possible 35 municipal road and bridge projects across the state, including 22 local bridges (19 of which are Red List bridges).

In addition, the NHDOT has obligated 100% of the \$4.62 million in ARRA funds authorized for New Hampshire for airport projects in Manchester, Keene, Nashua and Gilford, and most (93%) of the \$13.5 million in ARRA funds for transit projects.



*NHDOT District Construction Engineer Nickie Hunter worked the phone as construction got underway last spring on an economic stimulus project on NH Route 101 in Epping.*



### Governor:

*John H. Lynch*

### Commissioner :

*George N. Campbell*

### On the Move Editor:

*Bill Boynton*

### Layout and Design:

*L.J. Place*



*Cover Photo - An aerial photo of new Airport Access Road Bridge over the Merrimack River between Bedford and Manchester. The new bridge and highway are expected to open in 2012.*

*The Pear Harbor Memorial Bridge was officially dedicated on December 7 (page 3 Article) (Photo by: L.J. Place)*